

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PULSE SHAPING SIGNALS FOR ULTRAWIDEBAND COMMUNICATION.**

The specification of which was filed on March 31, 2004 as application serial no. 10/815,171.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

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Attorney Docket No.: 884.B69US1
 Serial No. 10/815,171
 Filing Date: March 31, 2004

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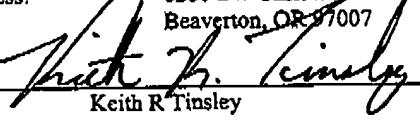
Please direct all correspondence in this case to Customer Number 21186 at the address indicated below:

Schwegman, Lundberg, Woessner & Kluth, P.A.
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 Telephone No. (612) 373-6900

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Full Name of joint inventor number 1 : Keith R Tinsley
 Citizenship: United States of America
 Post Office Address: 6280 SW Timberland Place
Beaverton, OR 97007

Residence: Beaverton, OR

Signature:  Date: 8/5/2004
Keith R Tinsley

Additional inventors are being named on separately numbered sheets, attached hereto.

Full Name of joint inventor number 2 : Jeffery R Foerster

Citizenship: United States of America
Post Office Address: 2533 NW 83rd Place
Portland, OR 97229

Residence: Portland, OR

Signature: _____
Jeffery R Foerster

Date: _____

Full Name of joint inventor number 3 : Minnie Ho

Citizenship: United States of America
Post Office Address: 405 Becker Lane
Los Altos, CA 94022

Residence: Los Altos, CA

Signature: _____
Minnie Ho

Date: _____

Full Name of joint inventor number 4 : Evan R Green

Citizenship: United States of America
Post Office Address: 14720 NW Forestel Loop
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Residence: Beaverton, OR

Signature: _____
Evan R Green

Date: _____

Full Name of joint inventor number 5 : Luiz M. Franca-Neto

Citizenship: Brazil
Post Office Address: 10921 NW Barrett Way
Portland, OR 97229

Residence: Portland, OR

Signature: _____
Luiz M. Franca-Neto

Date: _____

Full Name of joint inventor number 6 : Siva G. Narendra

Citizenship: India
Post Office Address: 7180 SW 84th Avenue
Portland, OR 97223

Residence: Portland, OR

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- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

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REC 13 2004

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Attorney Docket No. 834.B69US1

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Post Office Address: 405 Becker Lane
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Signature: Minnie Ho
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Date: 08/07/04

Full Name of joint inventor number 4 : Evan R Green
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Post Office Address: 14720 NW Forestel Loop
Beaverton, OR 97006

Signature: _____
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Date: _____

Full Name of joint inventor number 5 : Luiz M. Franca-Neto
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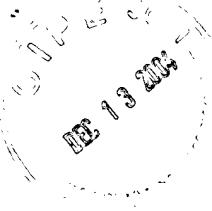
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(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Attorney Docket No.884.B69US1

REC'D 6
DEC 13 2004

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PULSE SHAPING SIGNALS FOR ULTRAWIDEBAND COMMUNICATION.**

The specification of which was filed on March 31, 2004 as application serial no. 10/815,171.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

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I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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Attorney Docket No.: 884.B69US1
Serial No. 10/815,171
Filing Date: March 31, 2004

Page 2 of 4

I hereby appoint the following attorney(s) and/or patent agent(s) associated with Customer Number 45457 to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Customer Number 21186 at the address indicated below:

Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612) 373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1: Keith R Tinsley
Citizenship: United States of America
Post Office Address: 6280 SW Timberland Place
Beaverton, OR 97007

Residence: Beaverton, OR

Signature: _____ Date: _____
Keith R Tinsley

Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 884.B69US1
Serial No. 10/815,171
Filing Date: March 31, 2004

Page 3 of 4

Full Name of joint inventor number 2 : Jeffery R Foerster
Citizenship: United States of America Residence: Portland, OR
Post Office Address: 2533 NW 83rd Place
Portland, OR 97229

Signature: _____ Date: _____
Jeffery R Foerster

Full Name of joint inventor number 3 : Minnie Ho
Citizenship: United States of America Residence: Los Altos, CA
Post Office Address: 405 Becker Lane
Los Altos, CA 94022

Signature: _____ Date: _____
Minnie Ho

Full Name of joint inventor number 4 : Evan R Green
Citizenship: United States of America Residence: Beaverton, OR
Post Office Address: 14720 NW Forestel Loop
Beaverton, OR 97006

Signature: _____ Date: _____
Evan R Green

Full Name of joint inventor number 5 : Luiz M. Franca-Neto
Citizenship: Brazil Residence: Portland, OR
Post Office Address: 10921 NW Barrett Way
Portland, OR 97229

Signature: Luiz M. Franca-Neto Date: 12/07/09
Luiz M. Franca-Neto

Full Name of joint inventor number 6 : Siva G. Narendra
Citizenship: India Residence: Portland, OR
Post Office Address: 7180 SW 84th Avenue
Portland, OR 97223

Signature: _____ Date: _____
Siva G. Narendra

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ATTN: CHRIS HAMMOND

Attorney Docket No.884.B69US1

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
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Includes Signatures of Siva G. Narendra

Attorney Docket No.: 884.B69US1
Serial No. 10/815,171
Filing Date: March 31, 2004

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Signature: _____ Date: _____
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Jeffery R FoersterFull Name of joint inventor number 3 : Minnie HoCitizenship: United States of AmericaResidence: Los Altos, CAPost Office Address: 405 Becker Lane
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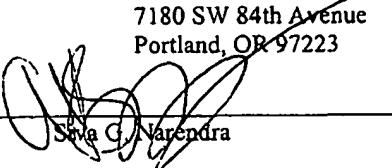
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Signature: _____

Date: _____


Siva G. Narendra

Aug 30, 2004

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